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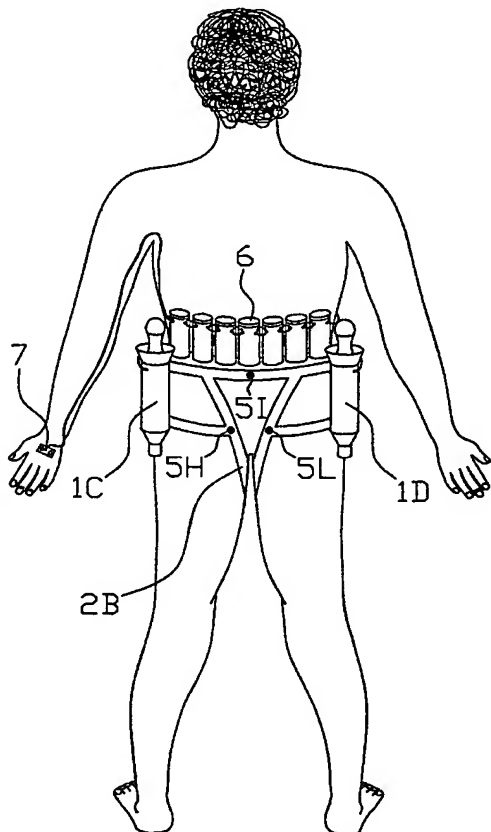
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(54) Title: PROPULSION SYSTEM FOR SCUBA DIVER



(57) Abstract: Electric Propulsion system supported by a special usable slinging from scuba divers, deep-sea divers or simple swimmers, advantageously fed by a sophisticated system of rechargeable batteries, inserted inside several united watertight containers between them. The innovative structure, allow to all specialized operators to move forward underwater even if the immersions will be made in depth and prolonged for long time periods. Another very important characteristic of the system they are the reduced ones it blocks, what they will allow to move and be operated in complete freedom and any condition.

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Description to reference of the patent request for industrial invention
from the title:

PROPULSION SYSTEM FOR SCUBA DIVER

DESCRIPTION

BACKGROUND OF THE INVENTION

The expedient validly supported by a special usable slinging from scuba divers , deep-sea divers or simple swimmers, the all one advantageously fed by a sophisticated system of rechargeable batteries, inserted inside several united watertight containers between them by interspaces in rubber or other suitable material, its regards an innovative electric propulsion means. As we know, the greatest difficulty for who does operate underwater is the shifting. Such difficulty, in certain particular conditions, exponentially increases, putting the staffs more qualified resistance to hard test, what even if been adequately about it, can run heavy risks putting its safety to risk. The innovative structure, it will allow to all specialized operators to move without this problems underwater, even if the immersions will be made in depth and prolonged for long time periods. Another very important characteristic of the system they are the reduced ones it blocks, what they will allow to move and be operated in complete freedom and any condition.

BACKGROUND ART

To the purpose of the present patent request, turns out superfluous describing the various kinds of underwater propulsion at present used, as their working is well-known from all the technicians of the sector and constitutes well known art and however they do not allow to solve the shown problem. The principal purpose of the present invention is ,to remove the inconveniences mentioned above,and supplied it, to all the swimmer or professional diver,

whit a valid and technologically propulsive system, advanced and safe to use, system able to facilitate the normal movement, also in extreme condition as the prolonged underwater permanence or the strong depths. To this result its reached, in conformity to the invention, adopting the technical solution to realize a system having the characteristics described in the independent claims. Other characteristics of the present invention, they are object of the dependent claims.

DISCLOSURE OF INVENTION

The advantages that are derived from the present invention consist essentially in the fact that all of the divers, deep-sea divers, or alone simple fascinated, they can validly to use the system object of the present patent to carry out movements in complete safety while they are in immersion, having so them to disposition an accessory whit reduced dimensions and very efficient and versatile. These and further advantages and features of the present invention, will be more and better included, from every technician of the branch from the description that follows and with the help of the annexed drawings, data what exemplification puts into practice of the found, but from not to consider itself in limited sense, in which:

- **The fig 1**, show the system of propulsion to the entire one with all its accessories whom it is composed and moderately put on from the user with in sequence: the two hydro-jet (1C, 1D) of small dimensions; the slinging (2B) correctly applied with in obviousness the holes strengthened (5H, 5I, 5L) still free and ready for advantageously to to be used; the electrician feeding system (6) composed from varied containers containing batteries united between them by gaps in rubber or other fit material, detailed described in the following figure of drawing; the manual control developed from a watertight switch (7) positioned in the palm of the hand to the inside of the underwater wet suit, to action the switch on/off to the varied electric equipment.
- **The fig. 2**, show always the system of propulsion to the entire one with all

its accessories of whom is composed and moderately put on from the user, where were dismissed the two side hydro-jet of small dimensions (not visible in figure), validly replaced with one of greater dimensions placed centrally. Such solution will be able to to be adopted in the case in which, for reasons of obstacle, other specific configurations are dissuaded. Also in this figure note themselves in sequence:

The slinging (2C) correctly applied with in obviousness the holes strengthened (5M, 5N, 5O, 5P) ready for advantageously to be used; the electric feeding system (6B) composed from varied containers containing traditional batteries or rechargeable, united between them by means of gaps in rubber or other fit material (detailed described in the successive figures of drawing); the manual watertight switch developed (7B) positioned in the palm of the hand inside of the wet-suit, for to action the switch on/off to the varied electric equipment.

The fig. 3, show a part of the special system of propulsion with in obviousness the special slinging ,whom its locked around the waist of the user and, the holes strengthened (5, 5B, 5C, 5D, 5E, 5F, 5G) their actions is to harpoon compactly the two special hydro-jet. **fig. 4** and other useful objects for the immersions. It is necessary to state that the system of stalled represented in figure with the holes strengthened (5, 5B, 5C, 5D, 5E, 5F, 5G) where come introduced the relevant bolts, it is alone of example, seen that advantageously can be used other innumerable systems normally in use, without to compromise it the correct operation.

The fig. 5, is represented an applicable changing to the button (7C), that in some case it can equipped of a strap belt action (8) to stop it strongly to the palm of the hand, to use mainly when the diver does not put on an underwater wet suit .

The Fig. 6 represents instead the system of feeding (6C) composed from varied watertight containers, all containing traditional or rechargeable batteries , united between them by means of gaps in rubber or other fit

material, where were applied, thanks to of the special slots described detailed in the successive figures, other three small watertight containers (9, 9B, 9C) also they containing a traditional battery or rechargeable. Such addition, when the space agrees it, serves to develop and to increase the autonomy of the same system.

The fig.7 show instead the small hidro-jet (1F) entire of the electric cables of whom is provided.

The Fig. 8 shows a box of derivation to hold watertight (10) in whose inside, come connected the hollow varieties of the circuit of feeding and switch, complete of the relevant holes of entrance(11,11B,11C, 11D, 11E, 11F) all equipped of the respective plugs in rubber that avoid to the water to penetrate inside. In the superior part it is noted the lid (12) first still of to be applied and the ring of capacity in rubber (13).

The fig.9, represents in detail the entire and special system of feeding of the parts that its composed with in sequence:

the small stoppers (14, 14B, 14C) to introduce by pressure on the watertight containers (9D, 9E, 9F, 9G, 9H, 9I, 9L) all of one advantageously furnished by the o-rings of capacity (15, 15B, 15C); the electric cable of connection (16, 16B, 16C, 16D, 16E, 16F, 16G, 16H,16I); the two couplings (17, 18);the connection made of rubber or other fit material (19, 19B, 19C, 19D, 19E, 19F, 19G, 19H); the two couplings, with profile to "V" (20, 20B) (optional); the traditional batteries or rechargeable (21, 21B, 21C). -

The fig.10 represents in detail a watertight container (9M) in whose inside come positioned the relevant traditional batteries or rechargeable either with in sequence: the lid (14D) to introduce by pressure on the container (9M); the o-ring of capacity in rubber (15D) or other technical material fit; the two holes of connection (22, 22B) to hold watertight; the two symbols of polarity (23, 23B) useful for the composition;(24) special underwater electrical cable with the relevant plug of capacity (25) in rubber or other technical material fit; the two leaders (26, 26B) actions to connect the relevant gaps of

connection (19I) in rubber or other technical material fit.

The Fig. 11, show a gap of connection (19L) in rubber or other technical material fit, on that a special slide is assembled (20C) with profile to "V" (optional), action to connect eventual supplementary accessories.

The Fig.12 show in detail the profile offsetted (27, 27B) places in the inferior part of all of the watertight containers (9N, 90); Such profiles, come used when want to connect themselves between them (9N, 90) with the purpose of to make different configurations of the device of feeding.

The Fig. 13, show with aerial sight, the inferior part of a watertight container (9P) where note themselves the profiles offsetted (27C); the two leaders (26C, 26D); the two gaps of connection (19M, 19N) in rubber or other technical material fit of whom a (19N) introduced correctly each other (19M) outside seat.

Reduced to its essential structure and with reference to the figures of the annexed drawings, of an innovative means of propulsion, validly sustained from a special slinging, useable from divers, deep-sea divers or simple fascinated, everything advantageously feeding from a sophisticated system of batteries, traditional or rechargeable either introduced to the inside of varied watertight containers united between them by means of gaps in rubber or other technical material.

BRIEF DESCRIPTION OF DRAWINGS

In conformity of the present invention its composed by:

- Means act to move a diver underwater by the small electric hydro-jet (1, 1B, 1C, 1D, 1E) validly sustained from an slinging (2, 2B, 2C) that it is hooked arround of the waist of the user, and feeding by a system including a series of watertight cylinders (9, 9B, 9C, 9D, 9E, 9F, 9G, 9H, 9I, 9J, 9K, 9L, 9M, 9N, 9O, 9P) all containing a rechargeable batteries or cell accumulator (21, 21B, 21C);
- means to compose any type of configuration of the innovative system whit the slinging (6, 6B, 6C), by the gaps of connection (19, 19B, 19C, 19D,

19E, 19F, 19G, 19H, 19I, 19L, 19M, 19N) in rubber or other technical material fit offsetted (26, 26B, 26C, 26D, 27, 27B, 27C) places to the basic of the watertight cylinders (9, 9B, 9C, 9D, 9E, 9F, 9G, 9H, 9I, 9L, 9M, 9N, 9O, 9P);

- means to connect and to hollow varieties of the electrical circuit of connection, switch and feeding to the inside of a special watertight box (10), complete of the relevant holes of entrance (11, 11B, 11C, 11D, 11E, 11F) validly endowed by the respective plugs in rubber (25) that hinder to the water to filter inside;

- means to command all of the system by the watertight button (7, 7B) if necessary integrated with a strap (8) action to stop them strongly in the palm of the hand, to use when the diver, for varied motive, does not put on an underwater overalls;

- means to connect at the special slinging(2,2B,2C) accessories, by of the holes strengthened (5, 5B, 5C, 5D, 5E, 5F, 5G, 5H, 5I,5L, 5M, 5N, 5O, 5P) equipped of the relevant bolts to equipment;

- means to provide the gaps of connection (19, 19B, 19C, 19D, 19E, 19F, 19G, 19H, 19I, 19L, 19M, 19N) in rubber or other technical material fit, with a special slide (20, 20B, 20C) with profile to "V" for to rig the supplementary accessories.

Advantageously, the special system of propulsion is easily representable in varied solutions of utilization allowing to all of the divers, deep-sea divers, simple fascinated, to use for work or for simple amusement in entire safety.

Advantageously, the special slinging (2, 2B, 2C) is in a position to block varied types of accessories like the small hidro-jet (1, 1B, 1C, 1D, 1E, 1F) by the holes strengthened (5, 5B, 5C, 5D, 5E, 5F, 5G, 5H, 5I, 5L, 5M, 5N, 5O, 5P) linked to the relevant bolts or, using other systems of riging, without to endanger the correct operation.

Advantageously, the special propulsive system, will be able to provided a watertight button (7, 7B) actions to command with only an alone hand, the

switch on/off all of the system.

Advantageously, the electrical power of the battery (6, 6B, 6C) will be able to be used to feed all of the system object of the patent or for other like purposes, all of this on account of to the versatility of the building project.

Advantageously, the system object of the patent, arranges of special trickiness technical actions to avoid that the water penetrate in the electric or electronic systems to compromise irretrievable the correct operation.

Advantageously, the special system of propulsion, will be able to be built with the most disparate materials today in commerce. It will be in fact possible to use the common plastic matters, the aluminum, the synthetic resins-glass, the carbon, all the leagues composite, even to use varied metals like the iron, the steel, the brass and their everything been derived. In practice the details of execution are able however to vary in equivalent manner in the shape, dimensions, disposition of the elements, nature of the materials employed, without moreover to go out from the field of the idea of solution adopted and so staying in the limits of the protection reconciled from the present patent for industrial invention.

claims

1) **CLAIMS 1.** A new conception of propulsion's System advantageously feeding by an composed accessories of a varied watertight containers containing traditional or rechargeable batteries, characterized by the fact that includes:

Means to move underwater by way of the small electric hidro-jet (1, 1B, 1C, 1D, 1F) validly sustained from a slinging (2, 2B, 2C) that its hooked to the waist of the user and feeding by a series of watertight cylindre (9C, 9D, 9E, 9F, 9G, 9H, 9I, 9L, 9M, 9N, 9O, 9P) that all of one containing a traditional or rechargeable battery or cell accumulator (21, 21B, 21C);

- Means to compose any type of configuration of the innovative system of electrical feeding (6, 6B, 6C), thanks to of the gaps of connection (19, 19B, 19C, 19D, 19E, 19F, 19G, 19H, 19I, 19L, 19M, 19N) in rubber or other technical material fit, and a series of particular offset joint (26, 26B, 26C, 26D, 27, 27B, 27C) places to the basic of the watertight cylinders (9, 9B, 9C, 9D, 9E, 9F, 9G, 9H, 9I, 9L, 9M, 9N, 9O, 9P);

- Means to connect the varieties of electric conductors of the circuit and feeding inside a special derivation watertight box(10) complete of the relevant holes of entrance (11, 11 B, 11 C, 11 D, 11E, 11F) advantageously equipped by the plugs to avoid at the water to filter its inside;

- Means to control all of the system, thanks to of the watertight button (7, 7B) if necessary integrated with a strap (8) action to stop them strongly in the palm of the hand, to use when the diver, for varied motive, does not put on an underwater wet suit;

Means to connect the special slinging (2, 2B, 2C) varied types of accessories, thanks to of the holes strengthened (5, 5B, 5C, 5D, 5E, 5F, 5G, 5H, 5I, 5L, 5M, 5N, 5O, 5P) equipped of the relevant bolts to equipment;

2) A new conception of propulsion's System advantageously feeding by a composed accessories of a varied watertight containers containing traditional

or rechargeable batteries, **as claimed in claim 1**, characterized by the fact that includes:

- A special slinging (2, 2B, 2C) where there are a series of various reinforced holes strengthened (5, 5B, 5C, 5D, 5E, 5F, 5G, 5H, 5I, 5L, 5M, 5N, 5O, 5P) all of one equipped with the bolts for the specific purpose to block a series of accessories.

3) A new conception of propulsion's System advantageously feeding by a composed accessories of a varied watertight containers containing traditional or rechargeable batteries, **as claimed in claims 1, 2**, characterized by the fact that includes:

A special slinging (2, 2B, 2C) it can to apply a series of device with the specific purpose of to rig various series of accessories, and two coupler (3, 4,) act to locked it around at the pelvis of the user.

4) A new conception of propulsion's System advantageously feeding by a composed accessories of a varied watertight containers containing traditional or rechargeable batteries, **as claimed in claim 1**, characterized by the fact that apply:

- varied models of small engines, from propeller to the hidro-jet, without for this, to compromise it of the correct operation.

5) A new conception of propulsion's System **as claimed in claim 1**, characterized from the fact that it utilizes the accessories (6, 6B, 6C) composed from varied watertight containers that containing traditional or rechargeable batteries actions to feed it.

6) A new conception of propulsion's System **as claimed in claims 1, 5**, characterized from the fact than utilization for its feed, an accessories (6, 6B, 6C) composed from varied cylinder watertight containers (9, 9B, 9C,

9D, 9E, 9F, 9G, 9H, 9I, 9L, 9M, 9N, 9O, 9P) all containing traditional or rechargeable batteries, united between them by means whit a series of interspace of connection (19, 19B, 19C, 19D, 19E, 19F, 19G, 19I, 19L, 19M, 19N) in rubber or other technical material fit.

7) A new conception of propulsion's System as **claimed in claims 1, 5, 6**, characterized from the fact than utilization for its feeding, a secondary one (6, 6B, 6C) composed from varied cylinder watertight containers (9, 9B, 9C, 9D, 9E, 9F, 9G, 9H, 9I, 9L, 9M, 9N, 9O, 9P) in whose base, there are a series of particular offset joint (27, 27B, 27C) used to connect them each other.

8) A new conception of propulsion's System as **claimed in claims 1, 5, 6, 7**, characterized from the fact than : utilization for its feeding, an accessory (6, 6B, 6C) composed from varied watertight cylinder containers (9, 9B, 9C, 9D, 9E, 9F, 9G, 9H, 9I, 9L, 9M, 9N, 9O, 9P) all provided of an o-ring of capacity (15, 15B, 15C, 15D) in rubber or other material technical, to avoid Infiltrations of water.

9) A new conception of propulsion's System as **claimed in claims 1, 5, 6, 7, 8**, characterized from the fact than utilization for its feeding, an accessory (6, 6B, 6C) composed from varied watertight cylinder containers (9, 9B, 9C, 9D, 9E, 9F, 9G, 9H, 9I, 9L, 9M, 9N, 9O, 9P) all provided of two holes of connection (22, 22B) to hold watertight where come introduced the relevant electric cable (24).

10) A new conception of propulsion's System as **claimed in claim 1, 5, 6, 7, 8, 9**, characterized from the fact than utilization for its feeding, an accessory (6, 6B, 6C) composed from varied watertight cylinder containers (9, 9B, 9C, 9D, 9E, 9F, 9O, 9H, 9I, 9L, 9M, 9N, 9O, 9P) equipped whit a watertight plugs (14, 14B, 14C, 14D) to introduce by pressure, screwing or other technical

procedure.

11) A new conception of propulsion's System as **claimed in claim 1, 5, 6, 7, 8, 9, 10**, characterized from the fact than utilization for its feeding, an accessory (6, 6B, 6C) composed from varied watertight cylinder containers (9, 9B, 9C, 9D, 9E, 9F, 9G, 9H, 9I, 9L, 9M, 9N, 9O, 9P) all equipped of two side slots (26, 26B, 26C, 26D) where come introduced some gaps of connection (19, 19B, 19C, 19D, 19E, 19F, 19G, 19H, 19I, 19L, 19M, 19N) in rubber or other technical material fit.

12) A new conception of propulsion's System as **claimed in claim 1, 5, 6, 7, 8, 9, 10, 11**, characterized from the fact than utilization for its feeding, an accessory (6, 6B, 6C) composed from varied watertight cylinder containers (9, 9B, 9C, 9D, 9E, 9F, 9G, 9H, 9I, 9L, 9M, 9N, 9O, 9P) equipped of two couplings (17, 18) actions to block it, a time correctly assembled, around the flanks.

13) A new conception of propulsion's System advantageously feeding by a composed accessories of a varied watertight containers containing traditional or rechargeable batteries, **as claimed in claim 1**, characterized from the fact that some gaps of connection (19, 19B, 19C, 19D, 19E, 19F, 19G, 19H, 19I, 19L, 19M, 19N) in rubber or other technical material fit, can be provided of a special block (20, 20B, 20C) with profile to "V" act to hook eventual supplementary accessories.

14) A new conception of propulsion's System advantageously feeding by a composed accessories of a varied watertight containers containing traditional or rechargeable batteries, **as claimed in claim 1**, characterized from the fact that is arranged by a watertight box of derivation (10) in whose inside come connected the varied electrical cable of the circuit of feeding and control, complete of the relevant holes of entrance (11, 11B, 11C, 11D, 11E, 11F, of the

respective plugs in rubber that they prevent to the water to filter inside.

15) A new conception of propulsion's System advantageously feeding by a composed accessories of a varied watertight containers containing traditional or rechargeable batteries, **as claimed in claims 1, 14**, characterized from the fact that arranges a watertight derivation cablebox (10) entire of the stopper (12) to introduce by pressure on the o- ring of capacity (13).

16) A new conception of propulsion's System advantageously feeding by a composed accessories of a varied watertight containers containing traditional or rechargeable batteries, **as claimed in claims 1**, characterized from the fact that arranges of a control watertight switch(7) to hold where is possible to apply a strap (8) action to stop it strongly to the palm of the hand, to use mainly when the diver does not put on an underwater wet suit.

17) A new conception of propulsion's System advantageously feeding by a composed accessories of a varied watertight containers containing traditional or rechargeable batteries, **as claimed in claims 1**, characterized from the fact that will be able to to be built with the most disparate materials today in commerce like the common plastic matters, the aluminum, the synthetic resins, the carbon, all the leagues composite, even to use varied metals like the iron, the steel, the brass and their everything been derived.

fig.1

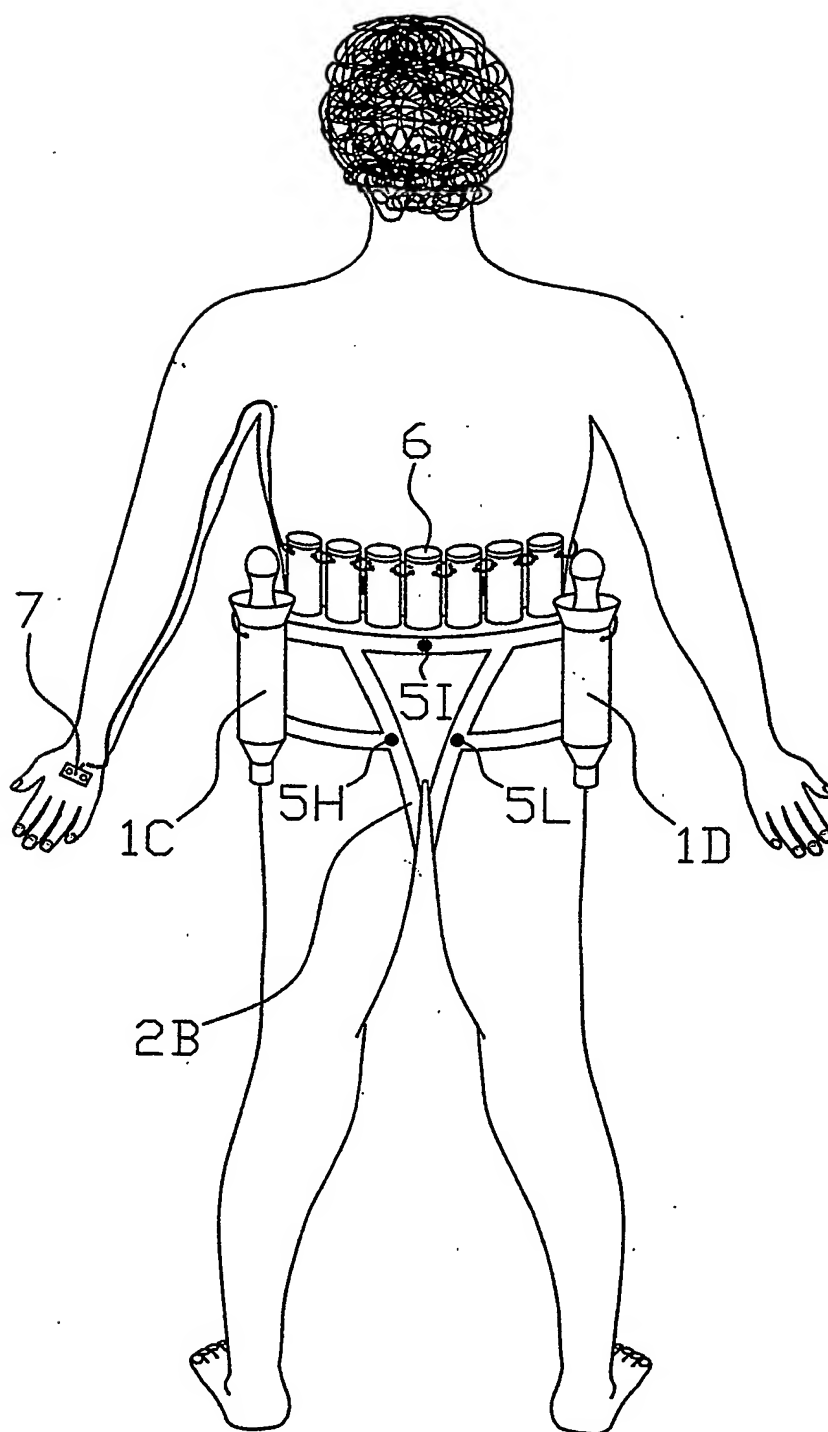


fig. 2

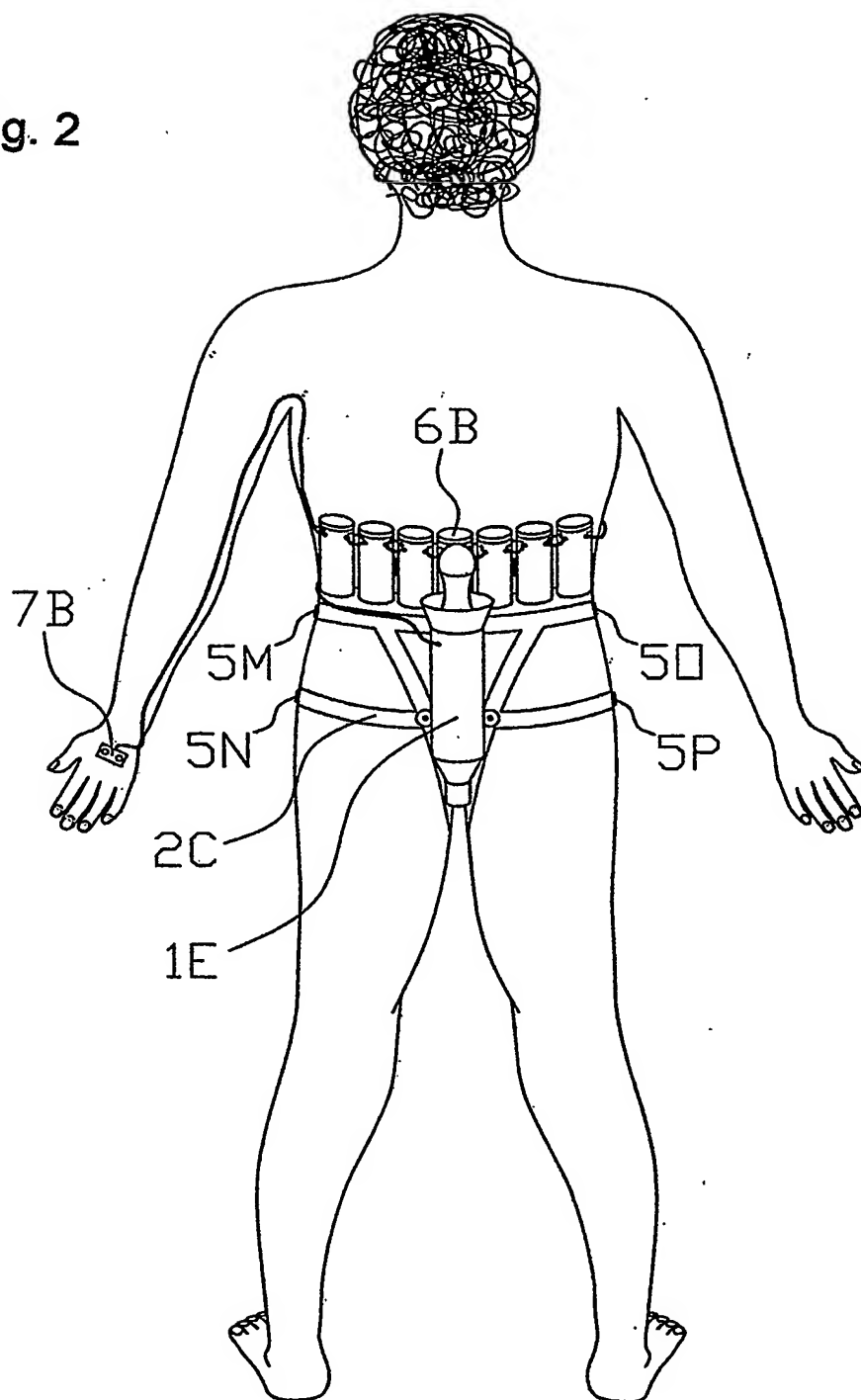


fig.4

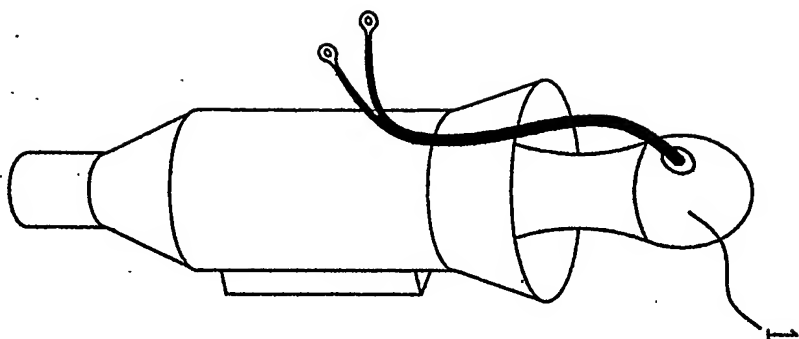


fig.3

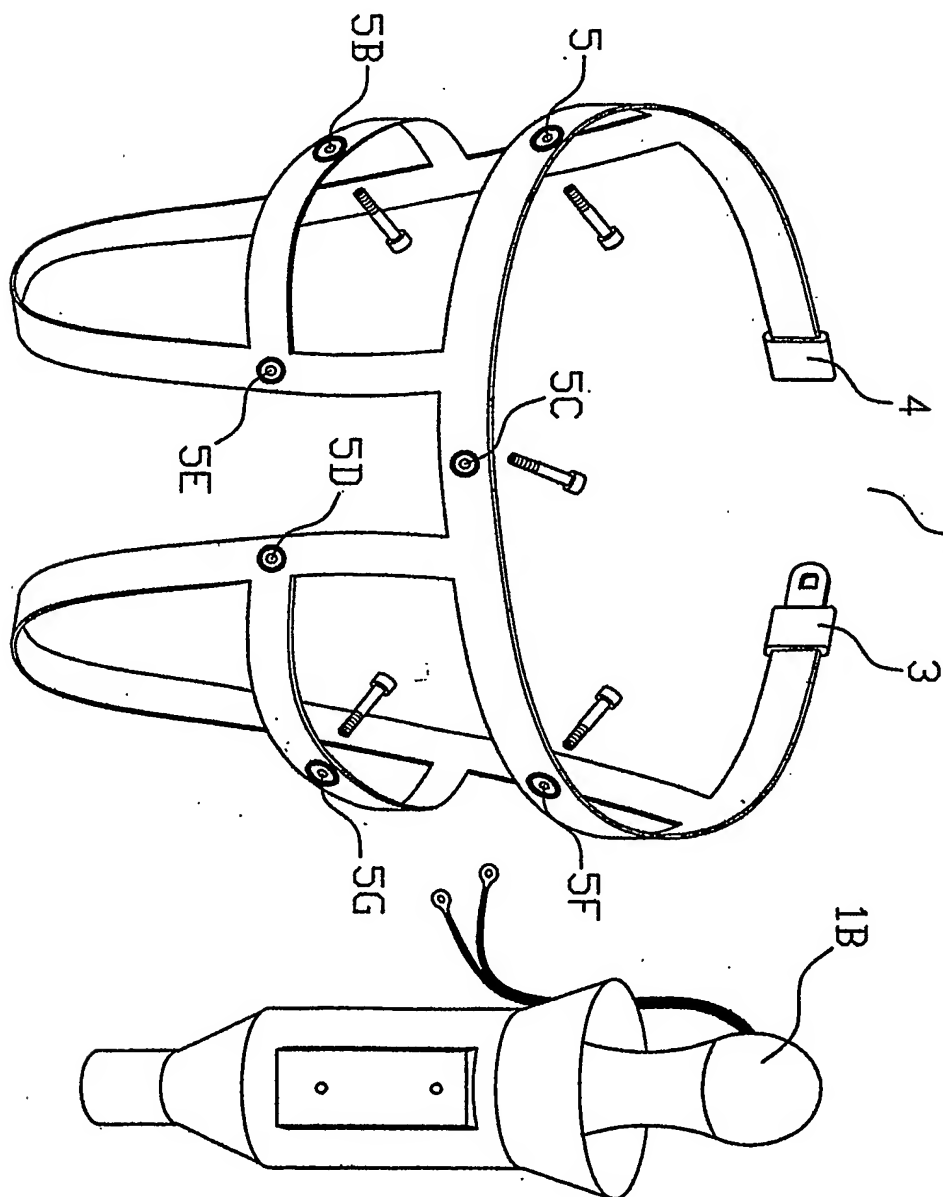


fig.5

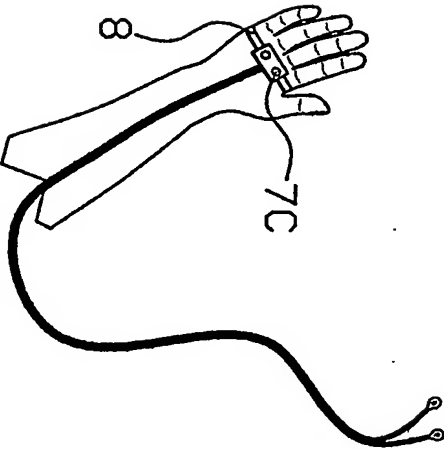


fig.6.

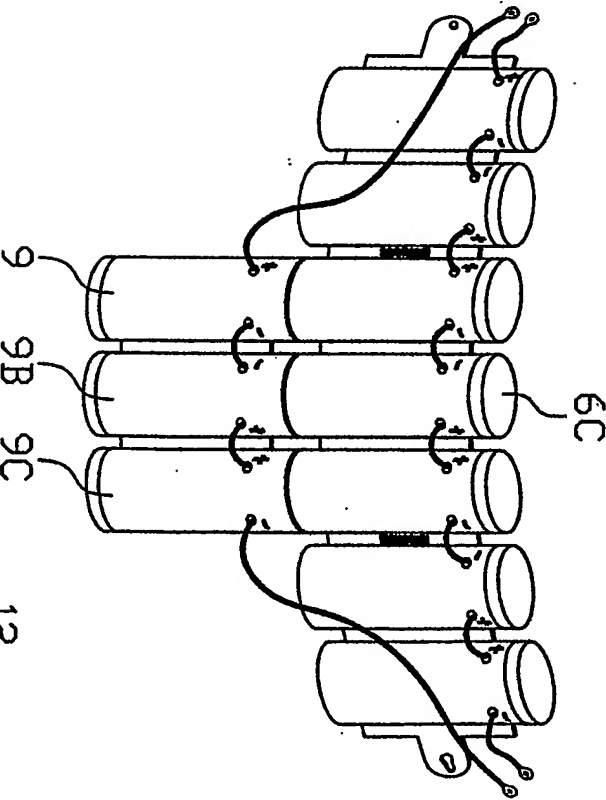


fig.7

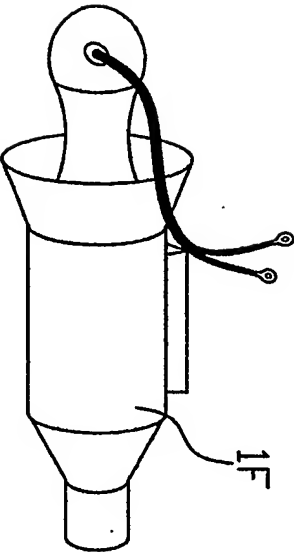
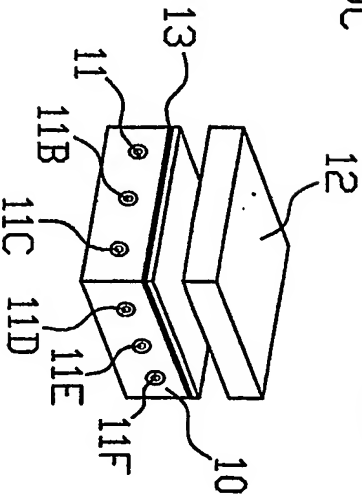


fig.8



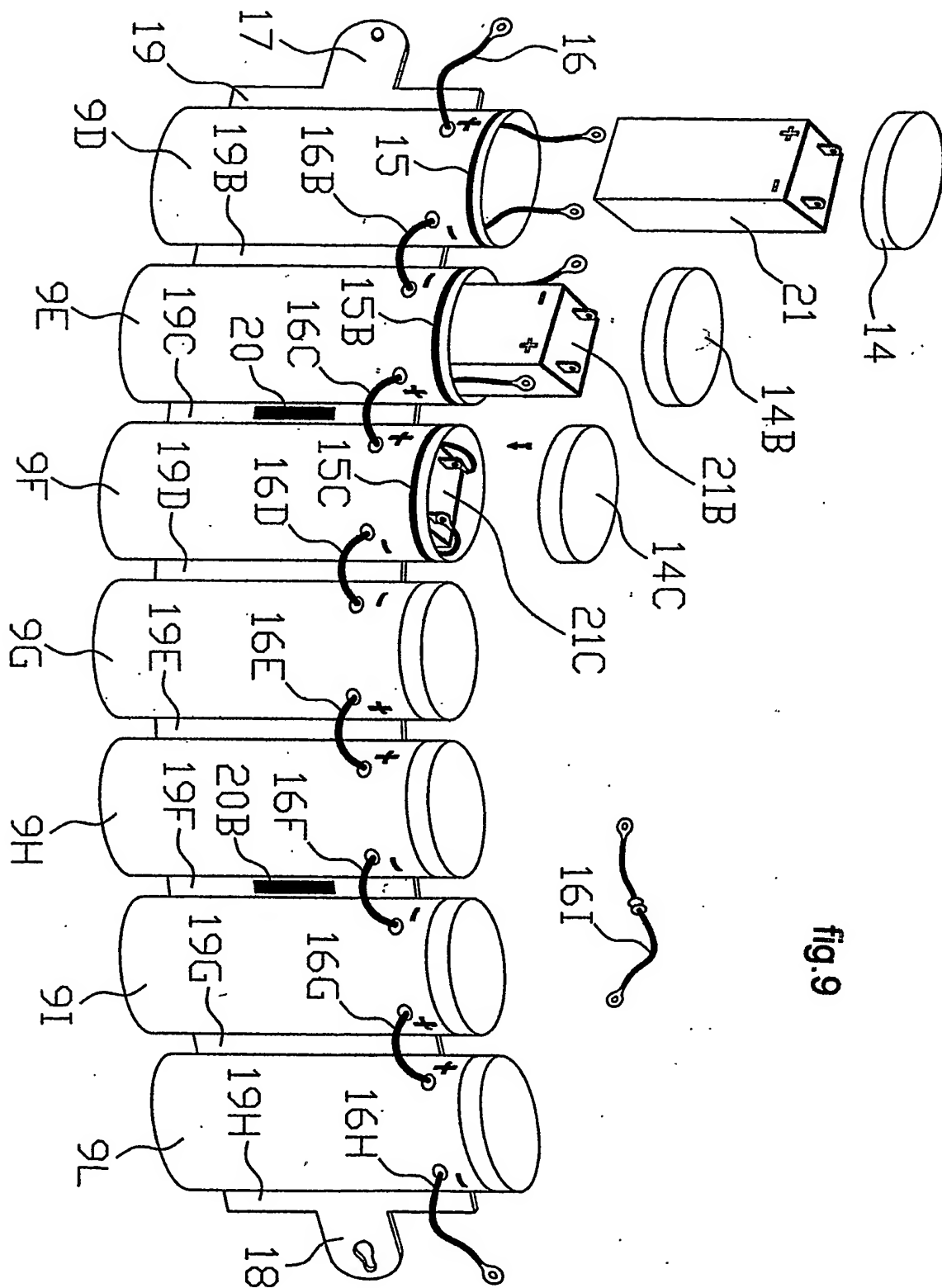


fig.9

fig. 10

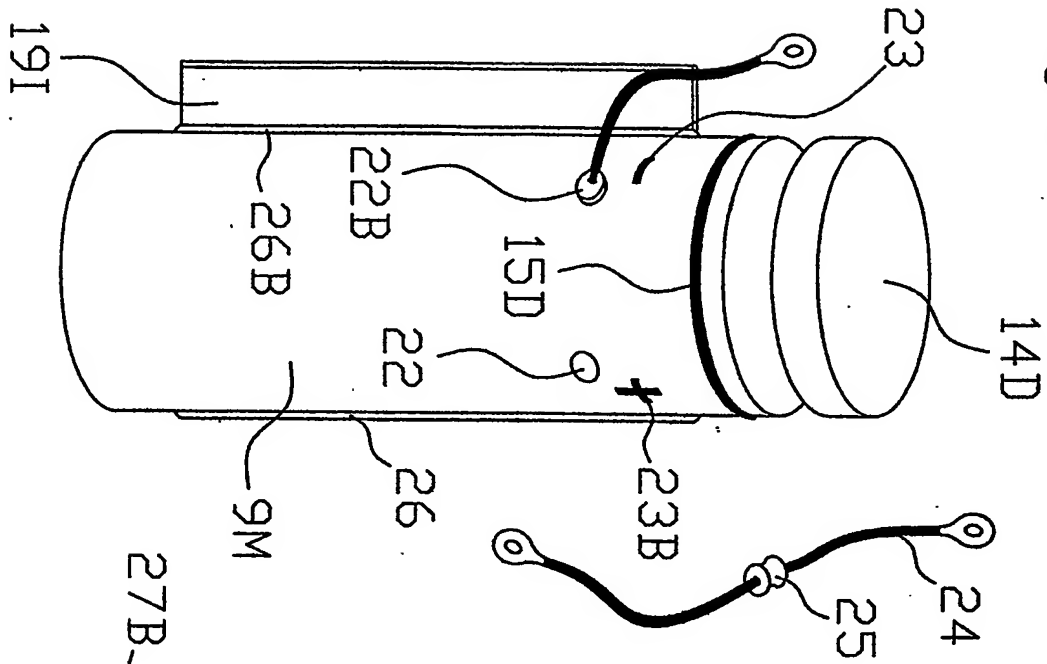


fig. 11

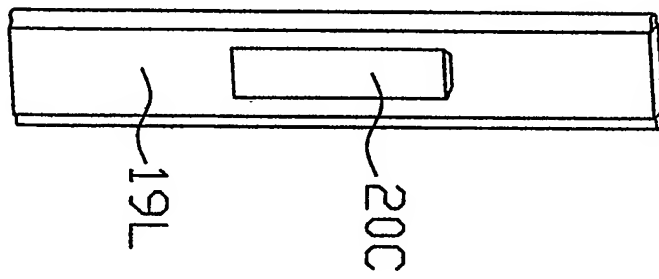


fig. 12

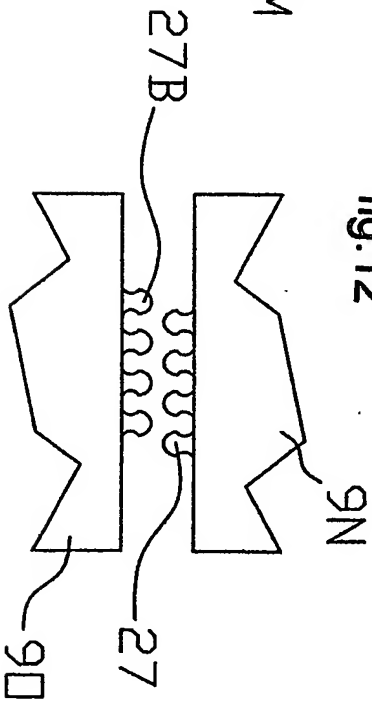
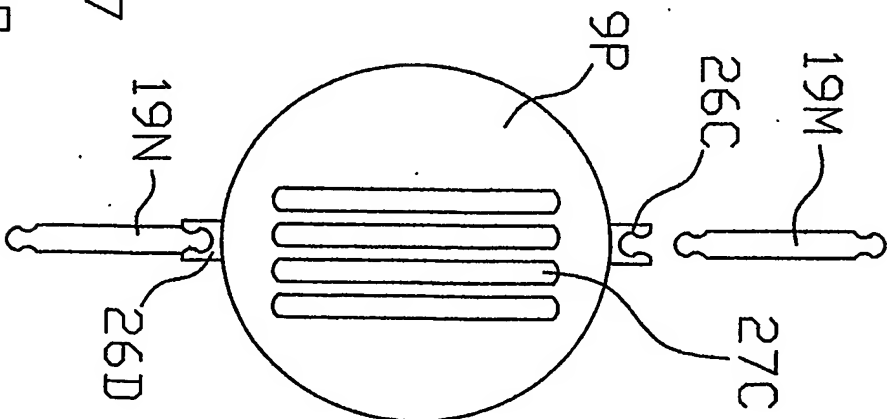


fig. 13



INTERNATIONAL SEARCH REPORT

International Application No
PCT/IT2004/000001

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A63B35/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A63B B63C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 467 742 A (DUBOY GUSTAVO) 28 August 1984 (1984-08-28) the whole document ----	1
X	US 2 722 021 A (KEOGH-DWYER WALTER C) 1 November 1955 (1955-11-01) the whole document ----	1
X	US 3 745 961 A (LAUGHMAN G) 17 July 1973 (1973-07-17) the whole document ----	1
X	US 4 753 187 A (GALIMAND PATRICE) 28 June 1988 (1988-06-28) the whole document ----- -/-	1

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☒ Patent family members are listed in annex.

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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- * & * document member of the same patent family

Date of the actual completion of the international search

9 June 2004

Date of mailing of the international search report

17/06/2004

Name and mailing address of the ISA

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Authorized officer

Millward, R

INTERNATIONAL SEARCH REPORT

national Application No
PCT/IT2004/000001

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 422 787 A (RUSH STEPHEN K) 21 January 1969 (1969-01-21) . the whole document -----	1
X	WO 02/072382 A (MAZIN BENJAMIN A) 19 September 2002 (2002-09-19) the whole document -----	1

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IT2004/000001

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1(in part),2-17
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: 1(in part),2-17

Claim 1, and indeed the whole International Application, is so unclear (Articles 5 and 6, PCT) as to make a meaningful search impossible (Article 17(2)(a)(ii) PCT).

Consequently, the search has been restricted to the following parts of claim 1, which, although by themselves are also not clear, do enable the reader to obtain at least some indication of what the applicant might have been meaning.

- i) A propulsion's system ... that includes-
- ii) a small electric hydro-jet,
- iii) validly sustained from a slinging
- iv) that is hooked to the waist of a user
- v) and feeding by a series of watertight cylindre that all of one containing a traditional or rechargeable battery or cell accumulator
- vi) means to control all of the system thanks to of the watertight button if neccessary integrated with a strap
- vii) means to connect to the special slinging varied types of accessories, thanks to of the holes strengthened equipped of the relevant bolts to equipment.

Since there is no possible way of clarifying at least some of these features without "going beyond the disclosure in the International Application as filed" (Article 19(2) PCT), the search conducted for these features cannot be considered as being "meaningful", in the sense of Article 17 PCT.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/IT2004/000001

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4467742	A	28-08-1984	NONE	
US 2722021	A	01-11-1955	NONE	
US 3745961	A	17-07-1973	NONE	
US 4753187	A	28-06-1988	WO 8600056 A1	03-01-1986
			AU 574079 B2	30-06-1988
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			WO 02072382 A1	19-09-2002